

## Workshop materials





https://github.com/ronnyhdez/intro\_data\_analysis

### What do we want from today's session?

- Understand data structures in R
- Understand data types in R
- To know how to handle coercion
- To be able to use conditional operations





class( my\_object )



1, 2, 3, 4

Vector

1 | A

3

В

List

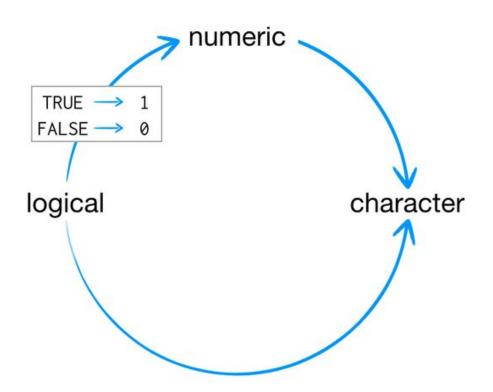
 A
 B
 C

 First
 1
 3.2

 Second
 2
 4.5

Data frame

```
mi_numeric_vector <- c(1, 2, 3)
mi_character_vector <- c("a", "b", "c")
mi_logical_vector <- c(TRUE, FALSE)</pre>
```



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#### Factors and dates

```
fecha_hora <- Sys.time() # Guardar en un objeto

typeof(fecha_hora) # Tipo de dato

## [1] "double"

class(fecha_hora) # Clase del objeto

## [1] "POSIXct" "POSIXt"</pre>
```

#### Factors and dates

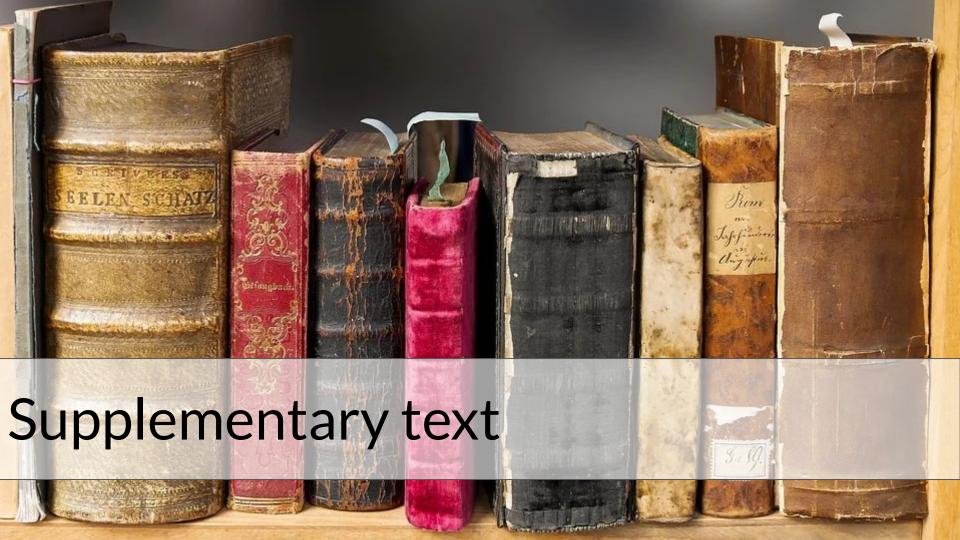
```
> mi_objeto ← c("a", "b", "c")
> mi_objeto
[1] "a" "b" "c"
> objeto_factor ← as.factor(mi_objeto)
> objeto_factor
[1] a b c
Levels: a b c
```

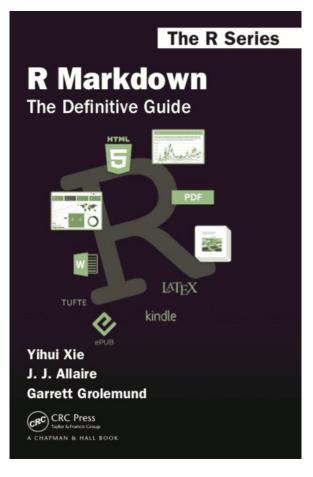
## Conditional operators

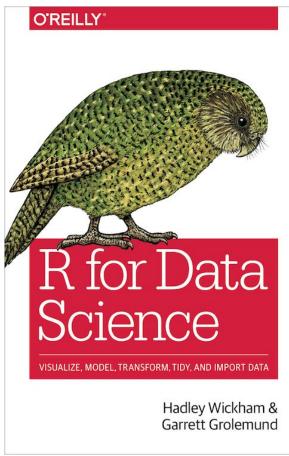
Table 7.1: R's Logical Operators

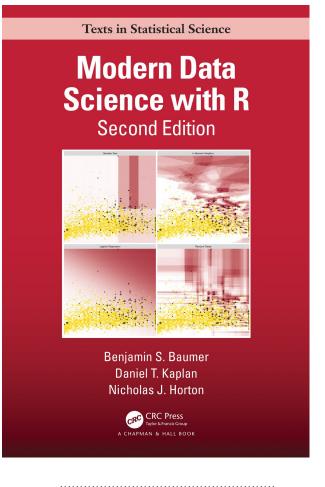
Operator	Syntax	Tests
	a > b	Is a greater than b?
:	a >= b	Is a greater than or equal to b?
	a < b	Is a less than b?
=	a <= b	Is a less than or equal to b?
=	a == b	Is a equal to b?
=	a != b	Is a not equal to b?
in%	a %in% c(a, b, c)	Is a in the group c(a, b, c)?

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https://es.r4ds.hadley.nz/



# ¡Gracias!

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